

NIOSH 2011 Stakeholders Meeting

Agricultural Breakout Session

Pittsburgh, PA

March 29, 2011

Break Out Session Hosts

- Kim Faulkner, Epidemiologist
 - NIOSH/NPPTL, Pittsburgh PA
- Kevin Keaney, Chief EPA Pesticide Worker Safety Program
 - EPA Headquarters, Washington DC
- Stan Thomas, Health Agriculture Manager
 - Oregon OSHA, Bend OR
- Kerry Hoffman-Richards, Pesticide Education Program
 - The Pennsylvania State University, University Park PA

Goals



Moving From Barriers to Solutions



Prioritize identified barriers and develop solutions

Panel Members

- Pesticide handler/Advocates
 - *Yolanda Gomez, Anne Katten, Virginia Ruiz , Mario Molina*
- Commercial Applicators
 - *Josh Bossard*
- Growers/Advocates
 - *Kiley Harper-Larsen, Frank Gasperini*
- Educators
 - *Cesar Asuaje, Ofelio Borges*
- Regulators
 - *Lisa Candelore*
- Other professionals
 - *Natalie Roy, Kim Faulkner, Dennis Groce*

Panel Members, *cont.*

- Pesticide Manufacturers
 - *Curt Lunchick, Allan Hovis*
- Pesticide Suppliers
 - *David Yoder*
- PPE Manufacturers
 - *Jeffrey Birkner, Craig Colton, George Gianforcaro*
- PPE Suppliers
 - *Mike Smeaton, Steve McGough*

Audience Response System



About the Clickers



- **Please return them!**
- They are of no use to you outside of this room
- They are NOT calculators or TV remote controls

About the Clickers



- They are part of an interactive audience response system
- They provide instant feedback to multiple-choice questions

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About the Clickers

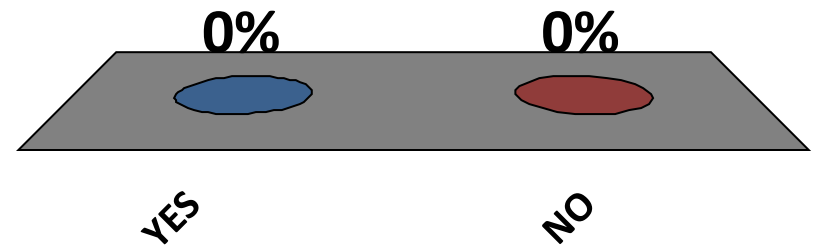


- To select your answer, simply push the desired button
- Once the polling is closed for that question, the clicker will not work

Are you left handed?

1. YES
2. NO

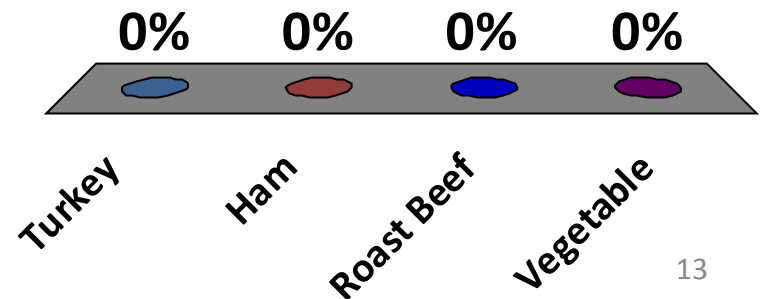
Answer Now



Which is your pick for lunch today?

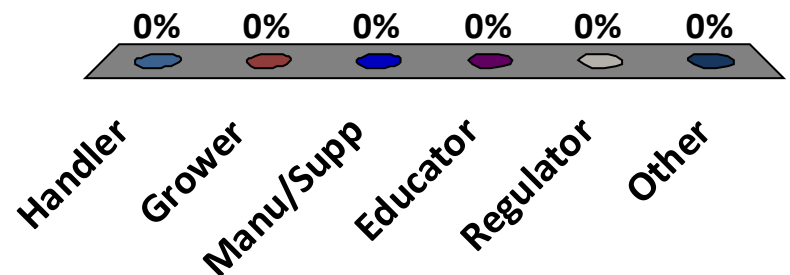
1. Turkey and Havarti on a Croissant
2. Ham and Swiss on Ciabetta
3. Roast Beef and Cheddar on Rye
4. Grilled Vegetable Wrap

Answer Now



Which group best identifies you?

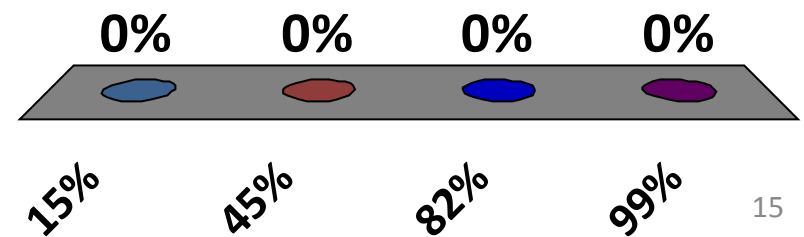
1. Pesticide Handler
2. Grower
3. Manufacturer or supplier
4. Educator
5. Regulator
6. Other profession



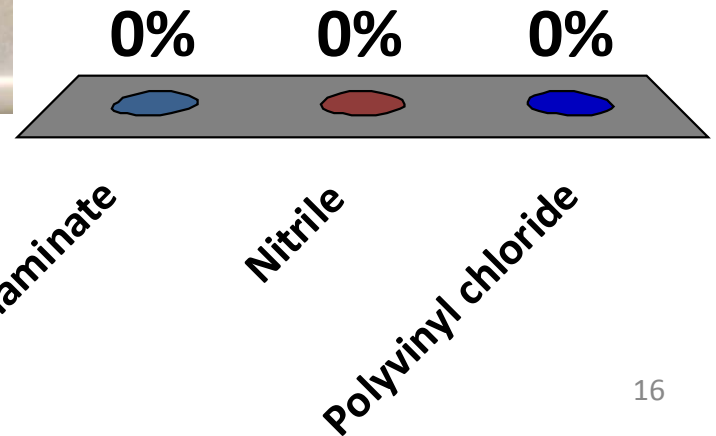
Using appropriate gloves when mixing, loading and applying pesticides can reduce your exposure by?



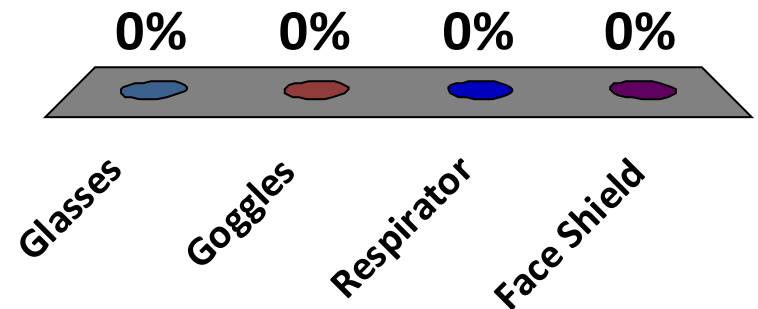
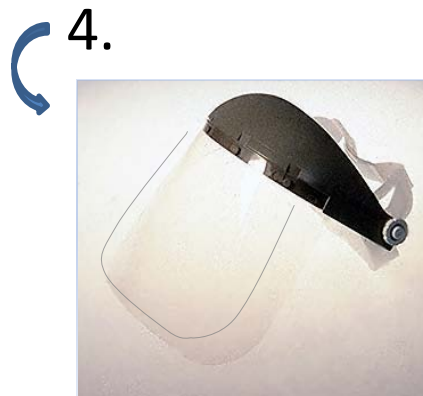
1. 15%
2. 45%
3. 82%
4. 99%



Which glove is most protective against most classes of pesticides?

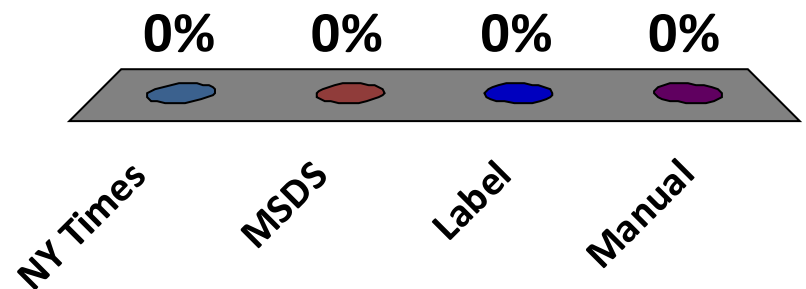


What protective eye wear would NOT be acceptable for use with a Warning, Danger or Danger-Poison Pesticide?



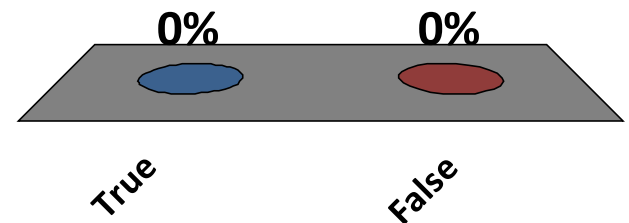
This must be read in order to determine what PPE must be worn?

1. New York Times
2. The Material Safety Data Sheet
3. The Pesticide Label
4. An Operators Manual



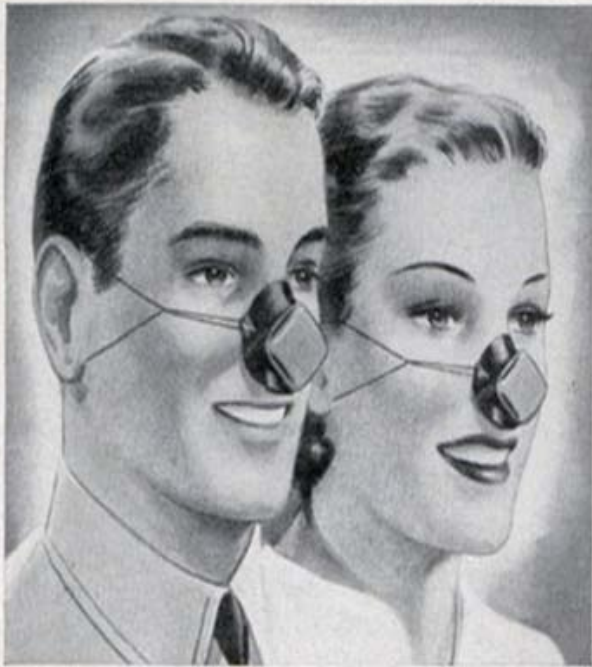
This helmet would be considered appropriate if the label read: “wear a chemical resistant wide brimmed hat.”

1. True
2. False



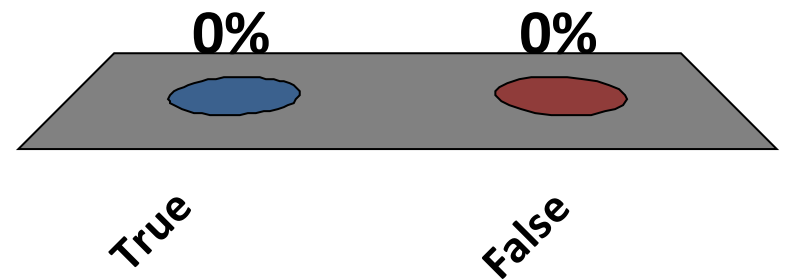
Is this considered a NIOSH Approved respirator?

**Vest-Pocket Respirator
Guards Workers' Lungs**



Tiny nose masks do not interfere with talking or eating

1. True
2. False



Which shoe or boot is appropriate PPE?

1.



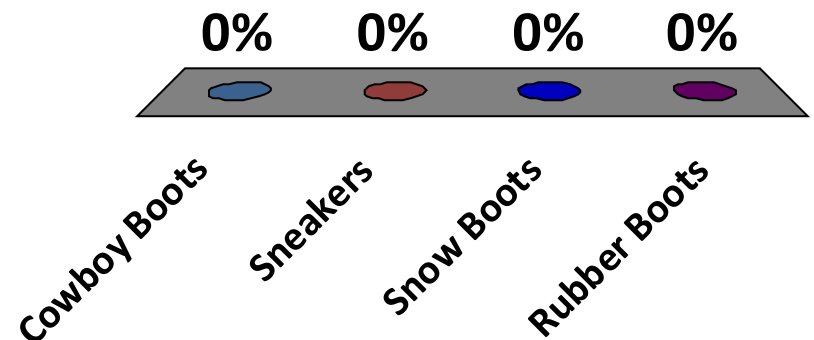
2.



3.



4.

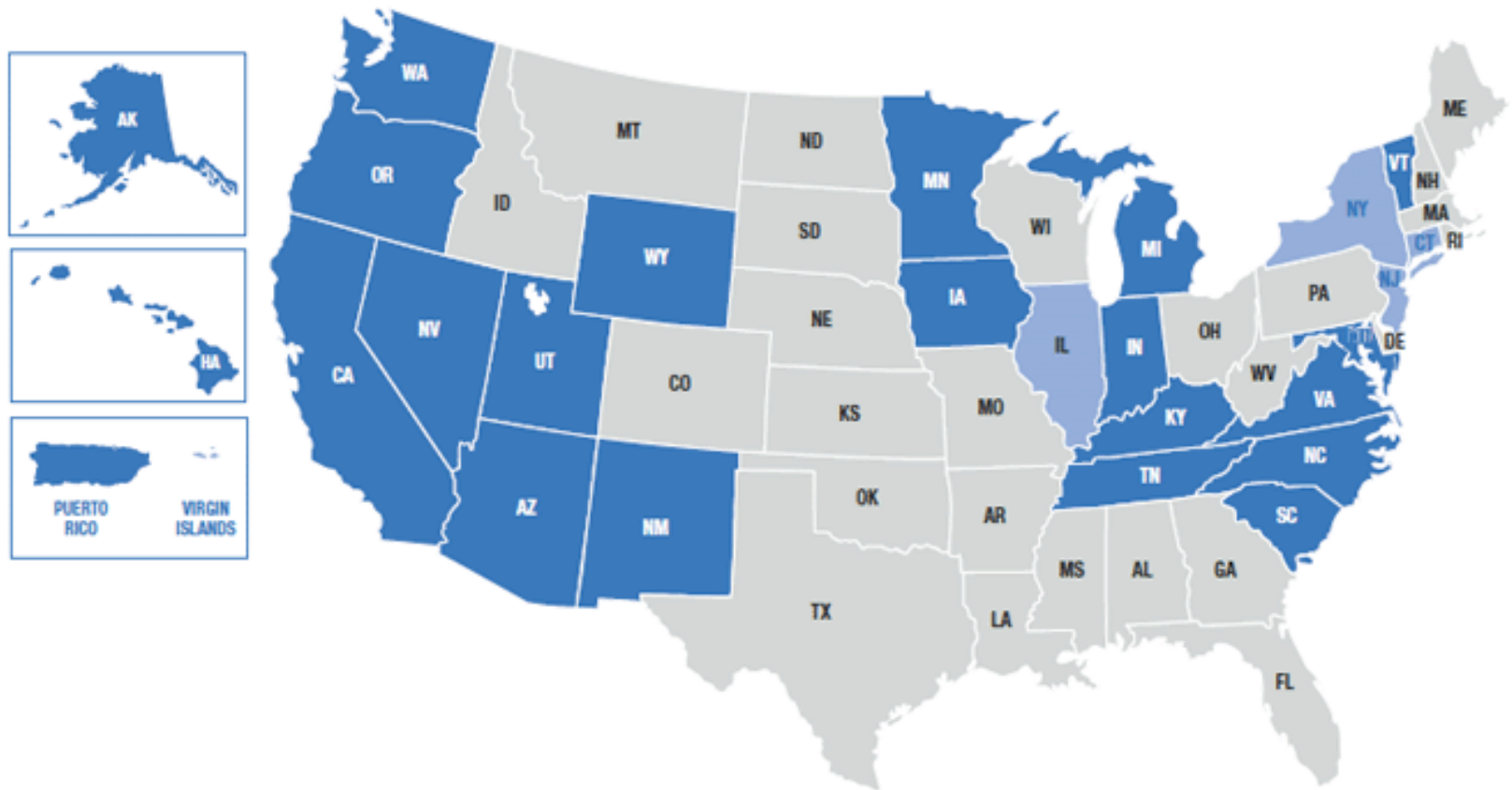


Regulatory Primer

- EPA – Worker Protection Standard (WPS)
- OSHA – Personal Protective Equipment Standards (PPE)



OSHA State Plans



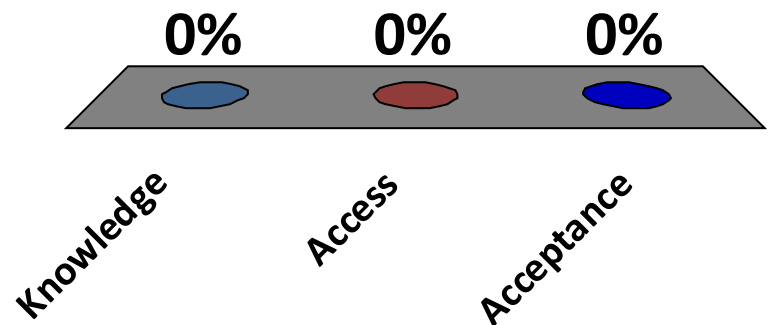
Breakout Session #1

- Overcoming barriers to using the correct personal protective equipment (PPE):
 - **Insufficient knowledge**
 - **Limited access**
 - **Handler does not accept**



Which barrier contributes most to using incorrect PPE?

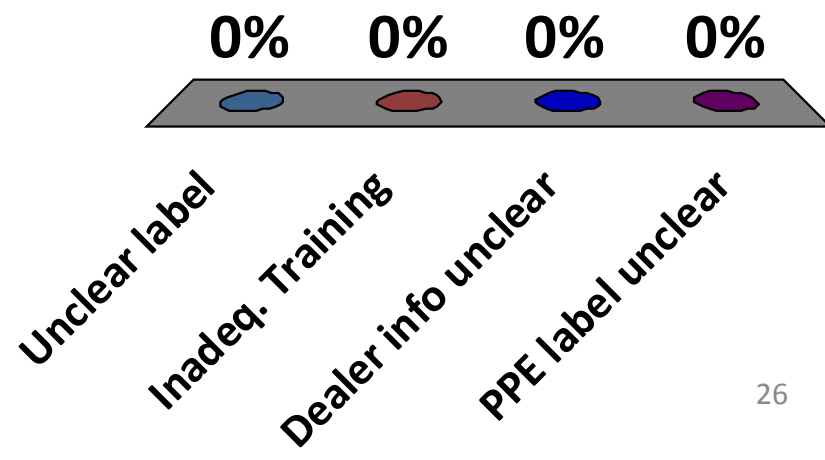
1. Lack of knowledge
2. Limited access
3. Lack of acceptance





Why might a handler not understand the correct PPE to wear for a task?

1. Information on the pesticide label is unclear, incomplete or outdated
2. Inadequate Pesticide Safety Training
3. Dealer Distributor Information Unavailable
4. The PPE packaging label is unclear

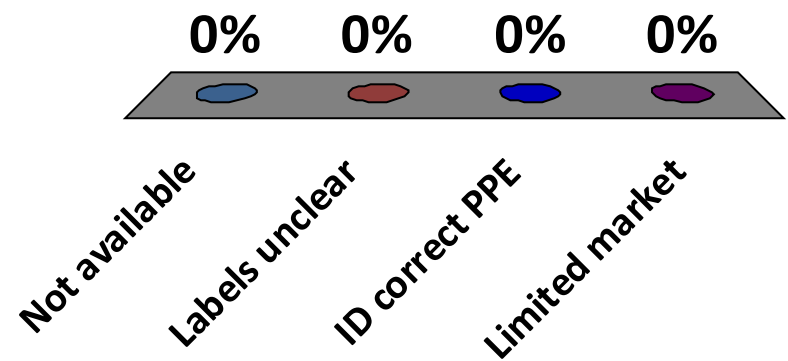


Next Steps

- What are some of the challenges in overcoming this barrier?
- Are we satisfied with our suggested solutions?
- Who would be the likely key players that could assist with this issue?

When correct PPE is known, what are barriers for obtaining it?

1. It is not available
2. The PPE packaging/ labels are unclear
3. Identifying correct PPE during the purchasing process
4. Limited market for pesticide related PPE

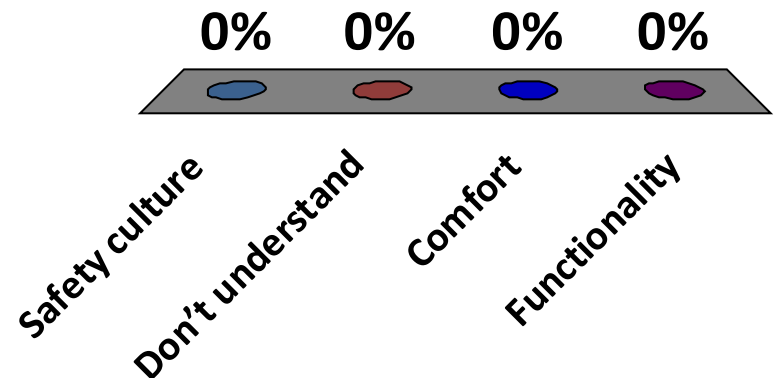


Next Steps

- What are some of the challenges in overcoming this barrier?
- Are we satisfied with our suggested solutions?
- Who would be the likely key players that could assist with this issue?

When correct PPE is available, what is the major reason it is not accepted?

1. Safety Culture/
Fear of Retaliation
2. Don't understand
Health Hazard
3. Comfort
4. Functionality

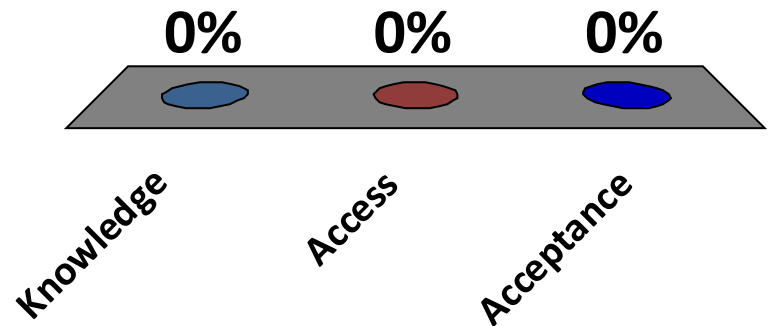


Next Steps

- What are some of the challenges in overcoming this barrier?
- Are we satisfied with our suggested solutions?
- Who would be the likely key players that could assist with this issue?

Have you changed your mind?
Which barrier is most important
to using correct PPE?

1. Lack of knowledge
2. Limited access
3. Lack of acceptance



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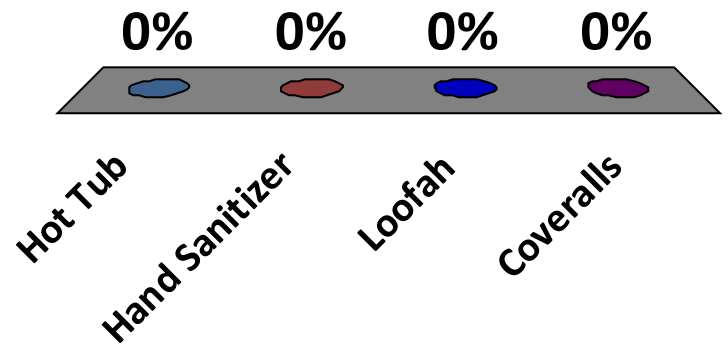
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Decontamination includes, soap, water, paper towels and

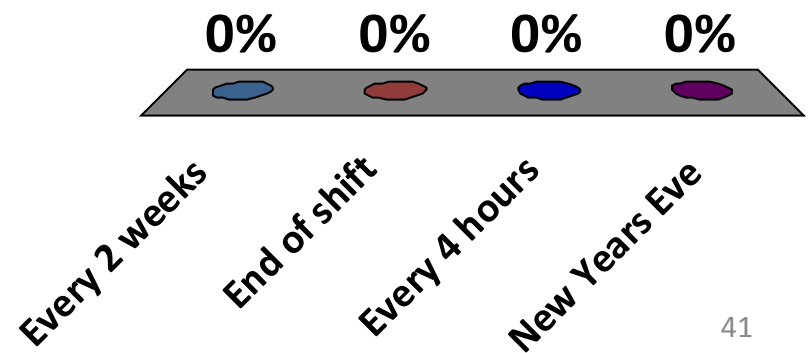
1. Hot Tub
2. Hand Sanitizer
3. Loofah
4. Change of Coveralls





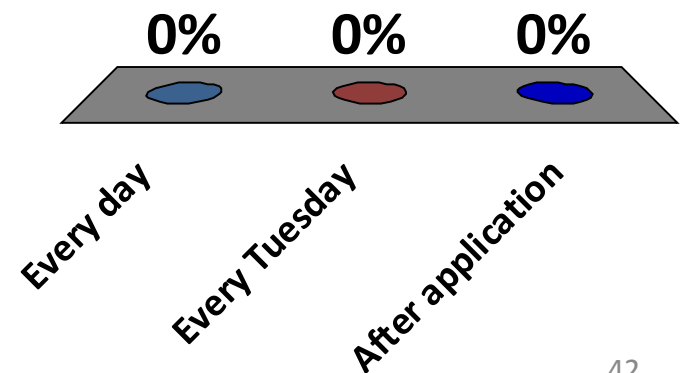
When do you need to change out a respirator cartridge?

1. Every two weeks
2. At the end of every work shift
3. Every four hours of use
4. On New Year's Eve



A respirator should be inspected

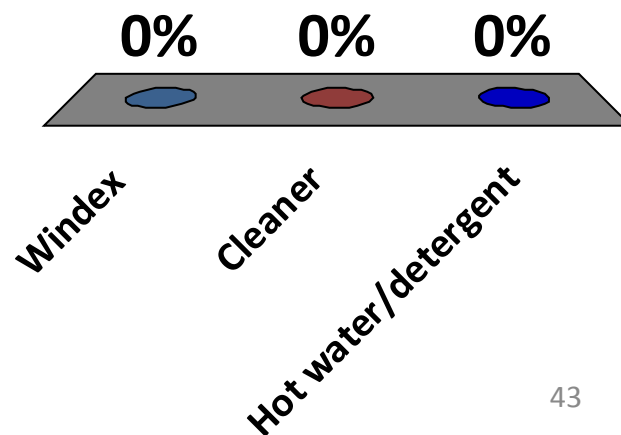
1. Before each days use
2. Every Tuesday
3. After an application





In the absence of cleaning information from the manufacturer or the pesticide label, PPE shall be cleaned with:

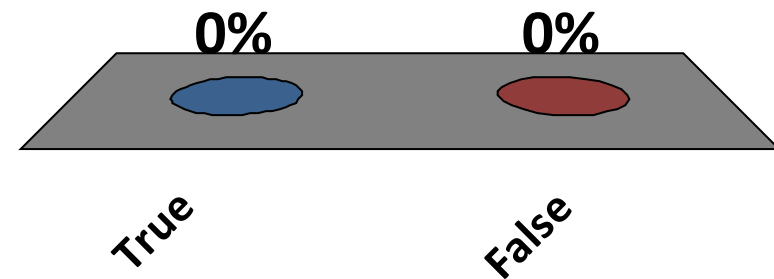
1. Windex
2. A solvent based cleaner
3. Hot water and detergent





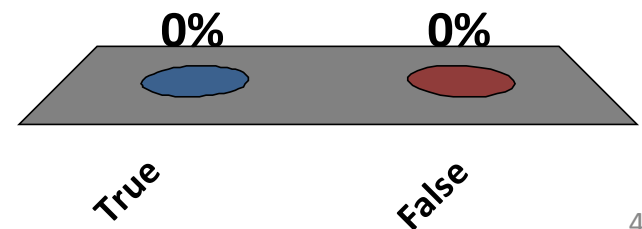
Storing respirators with pesticides is an acceptable practice.

1. True
2. False



A long sleeve shirt, long pants and boots is considered personal protective equipment.

1. True
2. False



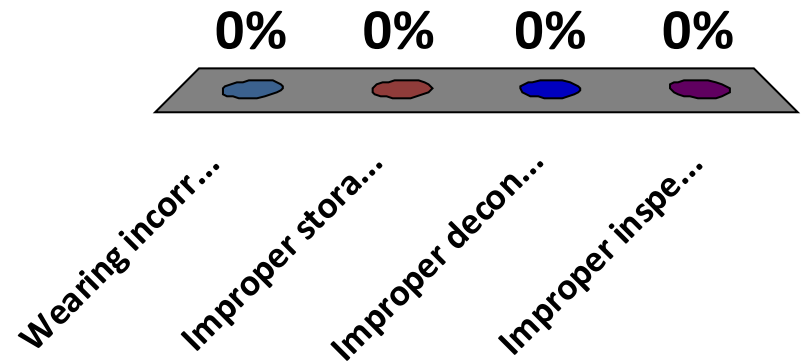
Breakout Session #2

- Overcoming barriers to not wearing, storing, decontaminating, maintaining, and inspecting PPE properly
 - **Insufficient knowledge**
 - **Handler does not accept**



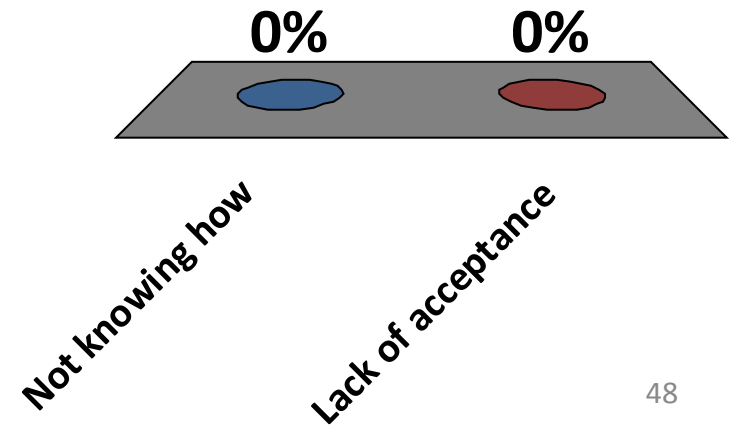
Which aspect of proper use of PPE is most important?

1. Wearing incorrectly
2. Improper storage
3. Improper decontamination
4. Improper inspection



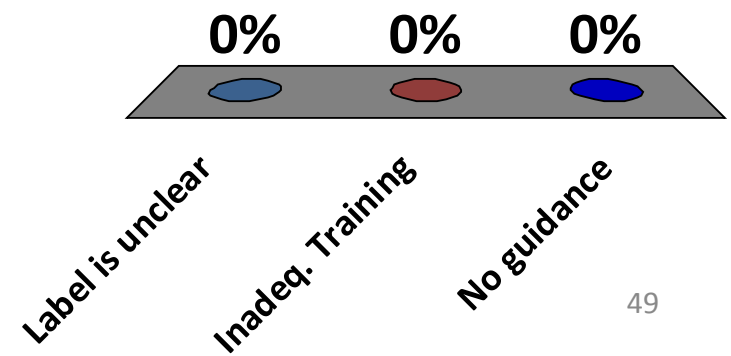
Based on the previous slide, which is the most significant barrier to doing that task appropriately?

1. Not knowing how to do the task appropriately
2. Lack of acceptance for the need to do the task



What is the most important reason why handlers don't know how to use PPE properly for the specific item you selected?

1. Information on pesticide label is unclear or incomplete
2. Inadequate Pesticide Safety Training
3. No guidance available with the PPE packaging for specific task or what is available is confusing

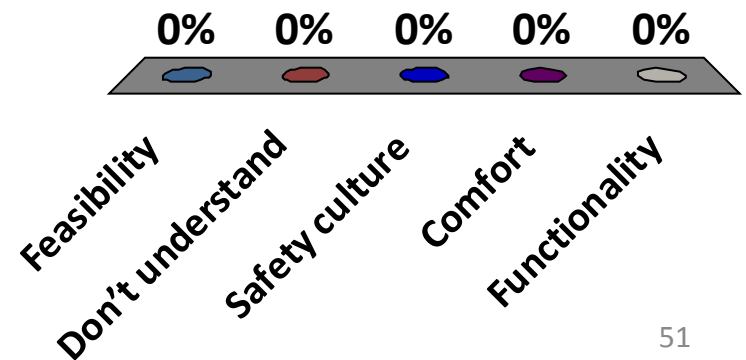


Next Steps

- What are some of the challenges in overcoming this barrier?
- Are we satisfied with our suggested solutions?
- Who would be the likely key players that could assist with this issue?

When it is known how to use PPE properly for the item you selected, what is the most important reason why handlers don't do it?

1. Feasibility – nature of the job
2. Don't understand the hazard
3. Safety Culture
4. Comfort
5. Functionality

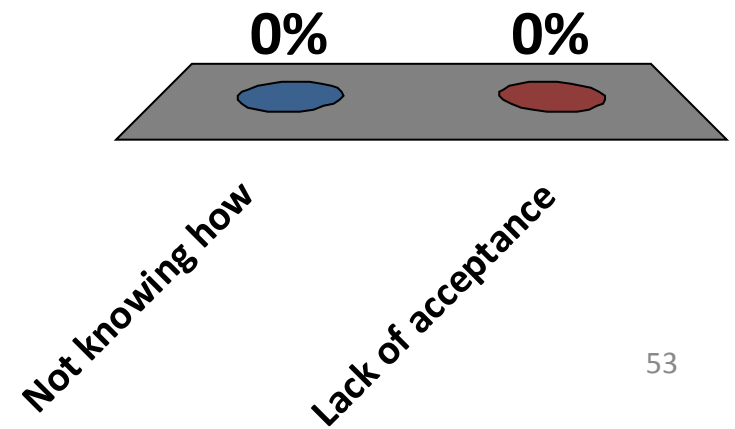


Next Steps

- What are some of the challenges in overcoming this barrier?
- Are we satisfied with our suggested solutions?
- Who would be the likely key players that could assist with this issue?

Have you changed your mind? Which is the most significant barrier to using PPE properly for the item you selected?

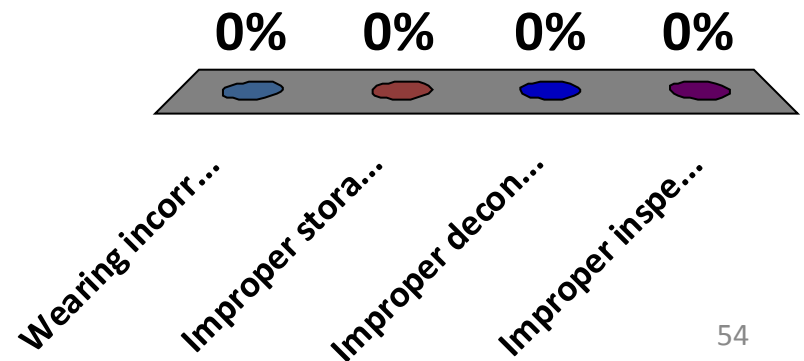
1. Not knowing how to do the task appropriately
2. Lack of acceptance for the need to do the task



Have you changed your mind?

Which aspect of proper use of PPE is most important?

1. Wearing incorrectly
2. Improper storage
3. Improper decontamination
4. Improper inspection



Conclusions Questions & Answers